

11110DMS 274100 神經生物學 (Neurobiology)

Lectures:

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Time: W7W8 & R6

Classroom: 生命科學二館 113

Textbook: “Neuroscience: Exploring the Brain 4th edition” (2016) by Mark F. Bear, Barry W. Connors, and Michael A. Paradiso (藝軒圖書, 02-2918-2288)

Grading policy:

30% Midterm Exam 1, 30% Midterm Exam 2, 30% Final Exam and 10% attendance.

Materials:

Course materials can be found on the NTHU's E-learning website, <http://eeclass.nthu.edu.tw/>

Schedule:

Week	Date	Topic	Lecturer
1	9/14	Chapter 2: Neurons and Glia	Peng
	9/15		
2	9/21	Chapter 3: The Neuronal Membrane at Rest	Peng
	9/22	Chapter 4: The Action Potential	Peng
3	9/28	教師節 (停課一天)	
	9/29	Chapter 4: The Action Potential	Peng
4	10/5	Chapter 5: Synaptic Transmission	Peng
	10/6		
5	10/12	Chapter 6: Neurotransmitter Systems	Peng
	10/13		
6	10/19	Chapter 7: The Structure of the Nervous System	Chang
	10/20		
7	10/26	Midterm Exam 1	
	10/27	No class	
8	11/2	Chapter 8: The Chemical Senses	Lo
	11/3		
9	11/9	Chapter 9: The Eye	Lo
	11/10	Chapter 10: The Central Visual System	
10	11/16	全校運動大會 (停課一天)	
	11/17	Chapter 10: The Central Visual System	Lo
11	11/23	Chapter 11: The Auditory and Vestibular Systems	Chang
	11/24		
12	11/30	Chapter 12: The Somatic Sensory System	Chang
	12/1		
13	12/7	Midterm Exam 2	
	12/8	Chapter 13: Spinal Control of Movement	Lo

14	12/14	Chapter 14: Brain Control of Movement	Lo
	12/15		
15	12/21	Chapter 19: Brain Rhythms and Sleep	Lo
	12/22		
16	12/28	Chapter 24: Memory Systems	Chang
	12/29		
17	1/4	Chapter 25: Molecular Mechanisms of Learning and Memory	Chang
	1/5		
18	1/11	Final Exam	
	1/12		